Internal Use Only

Website http://biz.lgservice.com

VACUUM CLEANER
SERVICE MANUAL

CAUTION

BEFORE SERVICING THE UNIT,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

MODEL: VUP153NJP

CONTENTS

IMPORTANT SAFEGUARDS 3

CLEANER DESCRIPTION 4

SPECIFICATIONS 4

PARTS 4

REPLACEMENT INSTRUCTIONS 5

TROUBLESHOOTING 7

REMOVING CLOGS 8

DISASSEMBLY 10

SCHEMATIC DIAGRAM 14

EXPLODED VIEW 15

REPLACEMENT PARTS LIST 17

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

IMPORTANT SAFEGUARDS

WARNING

Your safety is important to us. To reduce the risk of fire, electrical shock, injury to persons, or damage when using your vacuum cleaner, please follow these basic safety precautions.

1. **Disconnect** power supply before cleaning the unit.
2. **Do not** leave appliance plugged in. Unplug from the socket when not in use.
3. **Do not** use outdoors or on wet surfaces. Do not pick up water or wet materials.
4. **Do not** handle plug or appliance with wet hands.
5. **Do not** allow it to be used as a toy. Close attention is necessary when used by or near children.
6. **Use only** as described in this manual. Use only attachments recommended by the manufacturer.
7. **Do not** use with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer or an Authorised Service Centre or a similarly qualified person in order to avoid a hazard.
8. **Do not** pull or carry by the power cord as a handle, close door on cord, or pull the cord around sharp edges or corners. Do not run appliance over the cord. Keep the cord away from heated surfaces.
9. **Do not** unplug by pulling the cord. To unplug, grasp the plug, not the cord.
10. **Do not** put any object into openings. Do not use with any opening blocked. Keep free from dust, lint, hair, and anything that might reduce air flow.
11. **Keep** hair, loose clothing, fingers, and all parts of the body away from the openings and moving parts.
12. **Do not** use vacuum cleaner to pick up sharp, hard objects, small toys, pins, etc.
13. **Do not** use to pick up anythng that is burning or smoking, such as cigarettes, matches, or hot ashes.
14. **Do not** pick up flammable or combustible liquid or vapour such as gasoline or use in areas where they may exist.
15. **Do not** use vacuum cleaner without dust container and/or filters in place.
16. **Always** turn off all controls before unplugging.
17. **Do not** keep vacuum cleaner on chairs, tables, etc. Extra care must be taken when cleaning stairs.
18. **Always** unplug the unit or turn off the switch when the unit stops unexpectedly. If you don't, the cleaner could re-start unintentionally.

Thermal protector: This vacuum cleaner has a special thermostat that protects the cleaner in case of motor overheating. If the cleaner suddenly shuts off, turn off the switch and **unplug** the cleaner. Check the cleaner for a possible source of overheating such as a full dust container, a blocked hose or clogged filter. If these conditions are found, fix them and wait at least 30 minutes before attempting to use the cleaner. After the 30 minutes period, plug the cleaner back in and turn on the switch. If the cleaner still does not run, contact a qualified electrician.

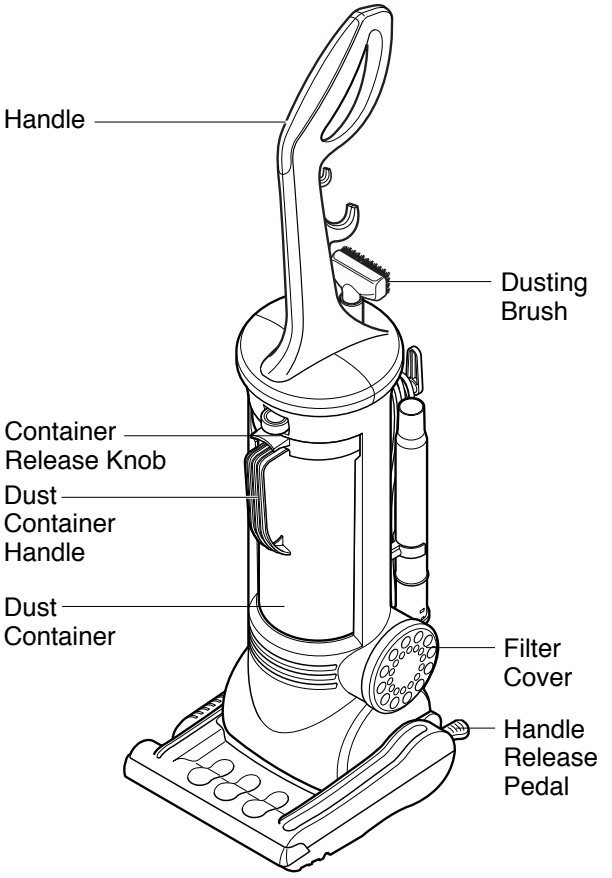
SAVE THESE INSTRUCTIONS

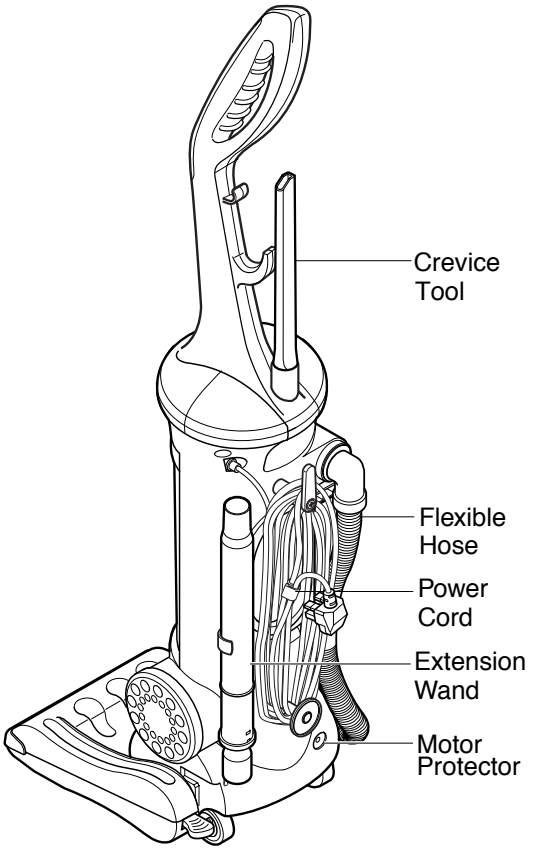
THIS PRODUCT IS FOR HOUSEHOLD USE ONLY

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

CLEANER DESCRIPTION

After assembly, the cleaner will look like the picture below.





SPECIFICATIONS

Model	VUP153NJP
Power supply	230V/50Hz
Power	IEC-1300W, MAX-1500W
Dimension/upright position (WxDxH)	approx 334 x 1096 x 347mm
Cord length	7.7m
Weight (approx.)	6.3kg

PARTS

Model	VUP153NJP
Belt	4400FI3348A
Exhaust Filter(Washable HEPA)	3210FI2434D

These parts are available from your dealer.

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

REPLACEMENT INSTRUCTIONS

WARNING

Electrical Shock and Personal Injury Hazard

- Unplug the vacuum cleaner before cleaning the unit. Failure to do so could result in electrical shock or personal injury from the vacuum cleaner starting unexpectedly.

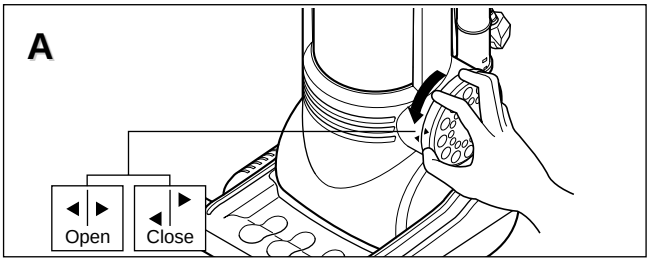
EXHAUST FILTER

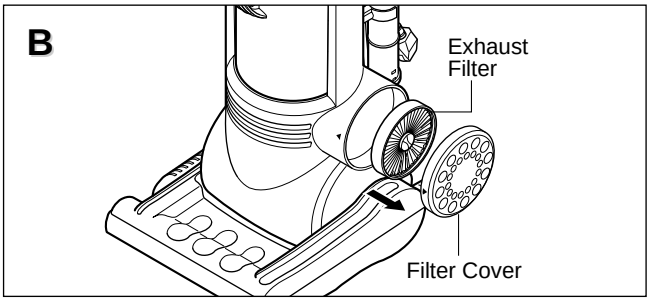
The exhaust filter is washable HEPA filter.
(Optional: Non washable HEPA filter)
The exhaust filter must be rinsed when it becomes dirty.

Rotate to the left side to remove the filter cover. (Fig.A,B)

We advise you to rinse at least once a year.
After rinsing, allow the exhaust filter to dry in a shaded location for 24 hours.
Never renstall the exhaust filter while it is wet.
Do not operate the vacuum cleaner without the filter in place.

Replacement filter can be obtained from your dealer.



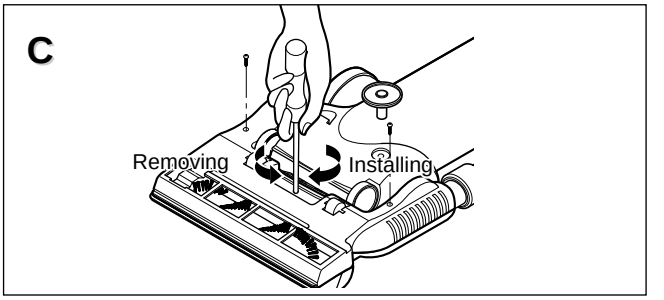


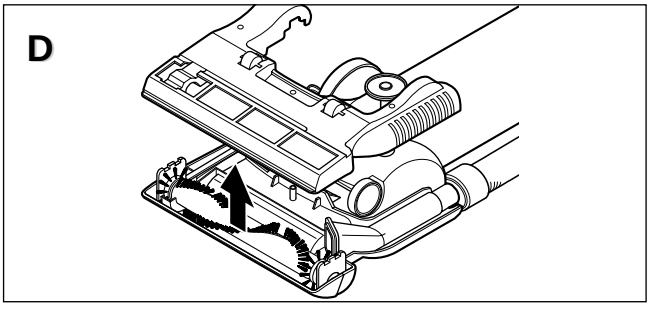
REMOVING/INSTALLING THE BOTTOM PLATE

Before replacing any parts, disconnect the vacuum from the electrical outlet.
To remove the bottom plate, unscrew the bottom plate first. Then pull the bottom plate away from the nozzle housing. (Fig. C)

To install the bottom plate, hook the front end of bottom plate into the slots on the front of nozzle. (Fig. D)

Press the bottom plate then tighten the screws.





Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

REPLACEMENT INSTRUCTIONS

WARNING

Electrical Shock and Personal Injury Hazard

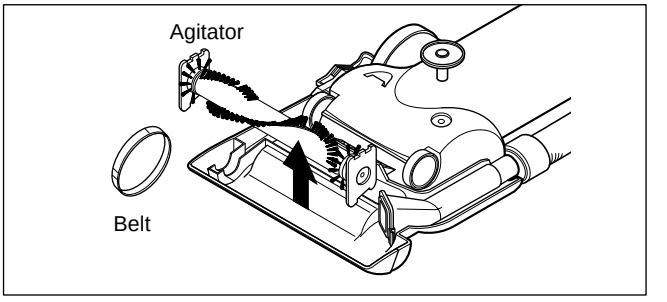
- Unplug the vacuum cleaner before cleaning the unit. Failure to do so could result in electrical shock or personal injury from the vacuum cleaner starting unexpectedly.

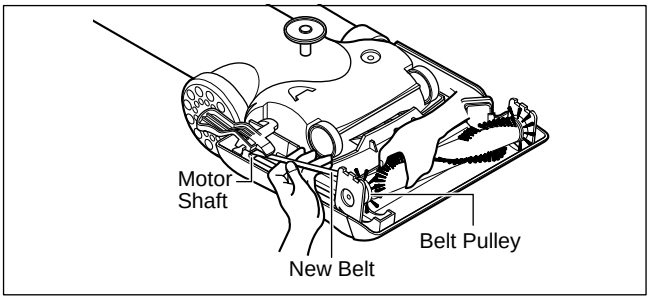
REPLACING THE BELT AND/OR AGITATOR

Check the belt and agitator regularity. If they are broken of worn out, replace them.

Turn the unit over and remove the bottom plate as described in Removing/Installing the Bottom Plate section.

To remove the agitator, grasp both ends of the agitator and lift it slowly. Remove the belt from the agitator pulley and the motor shaft. If the belt is broken, be sure all pieces are removed.



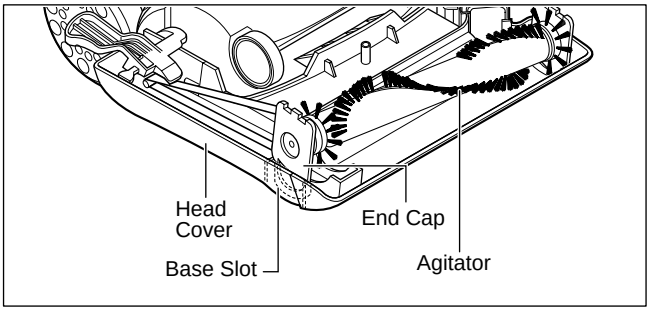


WARNING

Personal Injury Hazard

The belt is under high tension; be careful when removing the agitator.

Failure to do so could result in personal injury caused by the agitator releasing quickly and snapping away.

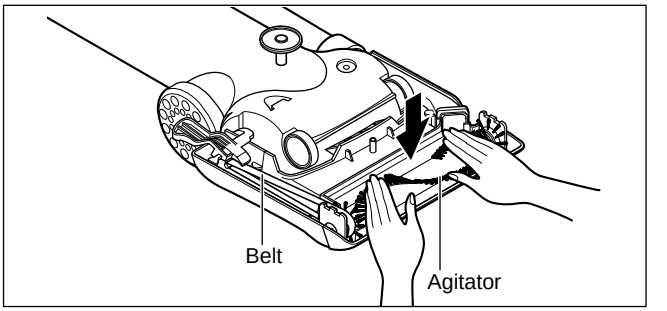


Loop the new belt around the motor shaft and agitator pulley.

Reinsert the agitator, making sure that both ends of the agitator fit into the grooves in the nozzle head.

After installing the agitator, turn it by hand to make sure that the belt is not twisted or pinched and that all parts turn freely.

Reinstall the body cover by reversing the steps in the Removing/Installing the Bottom Plate section.



The agitator must also be cleaned according to the following schedule:

Vacuum Use	Clean Agitator
HEAVY - (used daily)	every week
MODERATE - (used 2-3 times/week)	every week
LIGHT - (used 1time/week)	every 2 months

Replacement part are avaiable from your dealer.

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

TROUBLESHOOTING

Review the chart below for possible solutions in the event of a minor problem. Any service needed, beyond the procedures described below and elsewhere in this manual, should be performed by an authorised service centre.

WARNING

Electrical Shock and Personal Injury Hazard

- Unplug the vacuum cleaner before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury.

Problem	Possible Cause	Possible Solution
Vacuum cleaner won't run	1. Not plugged firmly into wall outlet 2. No voltage in wall outlet 3. On/Off switch not turned on 4. Blown fuse in the plug 5. Thermal overload protection activated	1. Plug firmly into wall outlet. 2. Check fuse or circuit breaker. 3. Press the On/Off switch. 4. Change the fuse for a 13 Amp ASTA approve fuse. 5. Turn the vacuum cleaner off, unplug it, and allow it to cool. (See page 3)
Vacuum cleaner won't pick up	1. Belt worn or broken 2. Worn agitator brush 3. Dust container full 4. Hose or nozzle blocked 5. Hose damaged 6. Dust container installed incorrectly 7. Belt not installed on the motor shaft	1. Replace the belt. 2. Replace the agitator. 3. Empty the dust container and check the pre-motor filter. 4. See REMOVING BLOCKAGES on page 8. 5. Replace the hose. 6. Make sure the dust container is seated properly in the handle. 7. Install the belt on the motor shaft. (See page 16.)
Dust escaping the dust container	1. Dust container installed incorrectly 2. Pre-motor filter cap installed incorrectly	1. Make sure the dust container is seated properly in the handle. 2. Make sure the pre-motor filter is in place and seated correctly.

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

REMOVING CLOGS

WARNING

Electrical Shock and Personal Injury Hazard

- Unplug the vacuum cleaner before cleaning the unit. Failure to do so could result in electrical shock or personal injury from the vacuum cleaner starting unexpectedly.

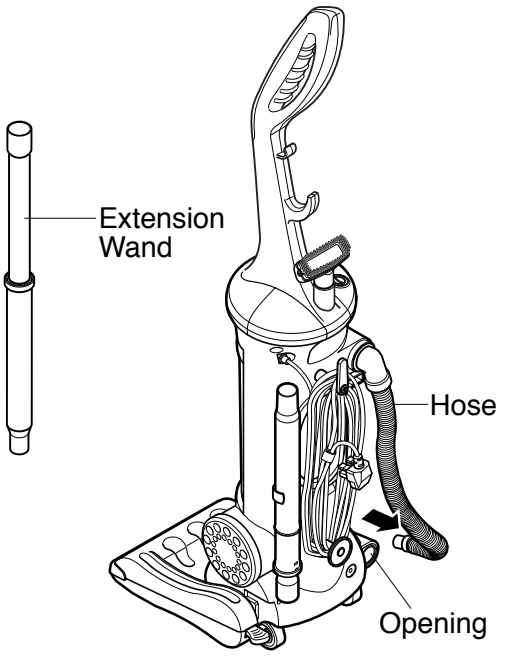
If your vacuum cleaner makes a strange noise or suction decreases, check for blockages or whether the pre-motor filter is dirty.

REMOVING BLOCKAGES

First check the hose and extension wand. Visually inspect the hose and the opening of the vacuum cleaner body into which the hose is inserted. (Fig. A)

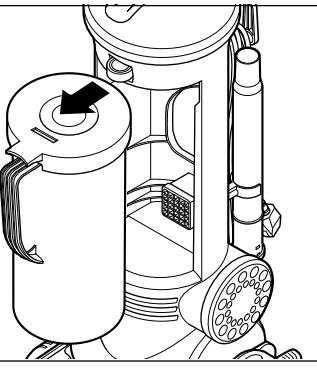
Remove the dust container and check the pre-motor filter. (See page 15)

A



Check the dust inlet on the vacuum cleaner body for blockages. (Fig. B)

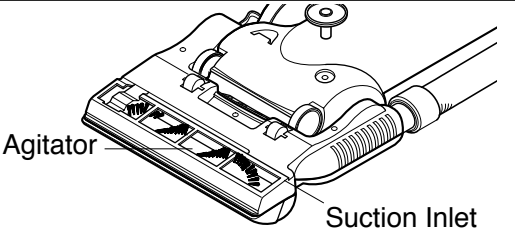
B



If the blockage remains, turn the vacuum cleaner over and check the agitator area and suction inlet. (Fig. C)

Stand the vacuum cleaner back up in an upright position before plugging into the electrical outlet.

C



Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

REMOVING CLOGS

WARNING

Electrical Shock and Personal Injury Hazard

- Unplug the vacuum cleaner before cleaning the unit. Failure to do so could result in electrical shock or personal injury from the vacuum cleaner starting unexpectedly.shock or personal injury from cleaner suddenly starting.

PRE-MOTOR FILTER

Check and clean the pre-motor filter regularly.

If the motor pre-filter is covered with too much dust, vacuum cleaner will stop moving as the thermal protect work.

You should also check the pre-motor filter whenever the vacuum cleaner makes a strange noise or suction decreases.

First, turn off the vacuum cleaner and unplug the power cord from the electrical outlet.

Remove the dust container by pushing the release button and pulling out on the dust container handle. (Fig. A)

Remove the cover and empty the container. (Fig. B)

Clean the pre-motor filter (on the dust container cover) by tapping it gently. (Fig. C)

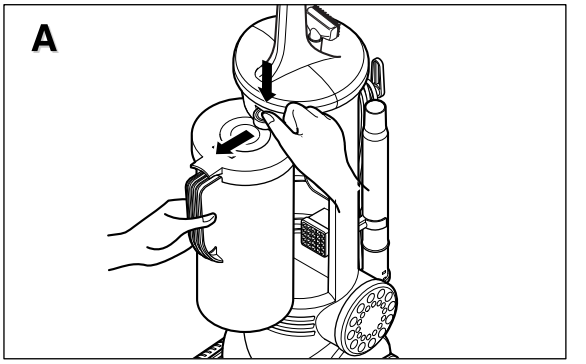
If the pre-motor filter is excessively dirty, rinse the filter with water.

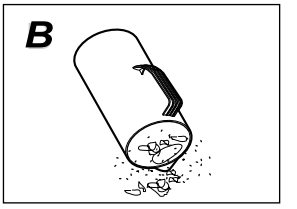
Easy to rinsing, separate pre-motor filter from the filter cap. (Fig. D,E)

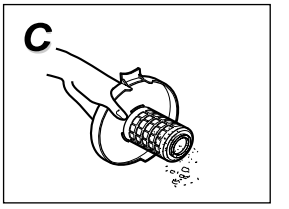
After rinsing, allow the pre-motor filter to dry in a shaded location for 24 hours. **Never reinstall the pre-motor filter while it is wet.**

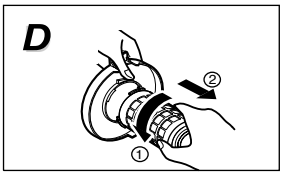
Before reinstalling the dust container, make sure that the cover is positioned properly.

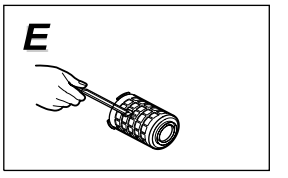
To reinstall the dust container, hook the bottom of the container onto the lower part of the handle and push the top of the dust container into the handle until it latches in place. (Fig. F)

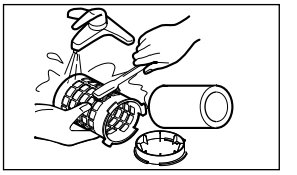


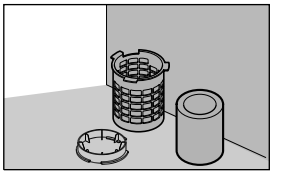


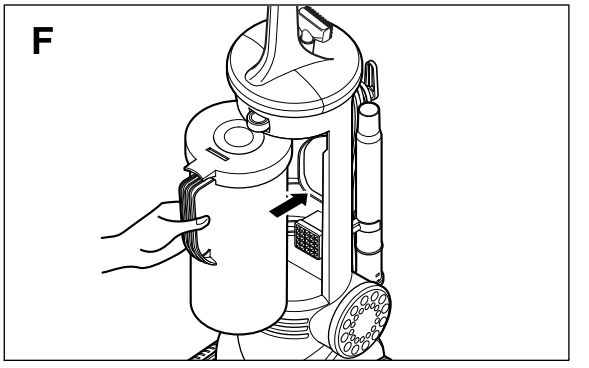












Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

DISASSEMBLY

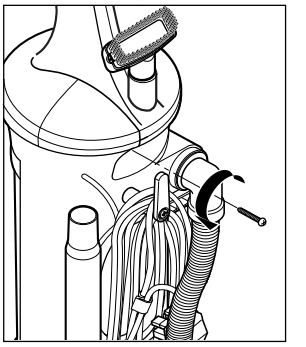
WARNING

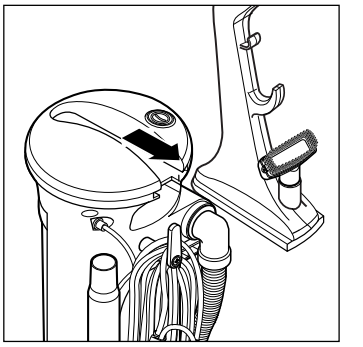
Electrical Shock or Personal Injury Hazard

Disconnect electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting.

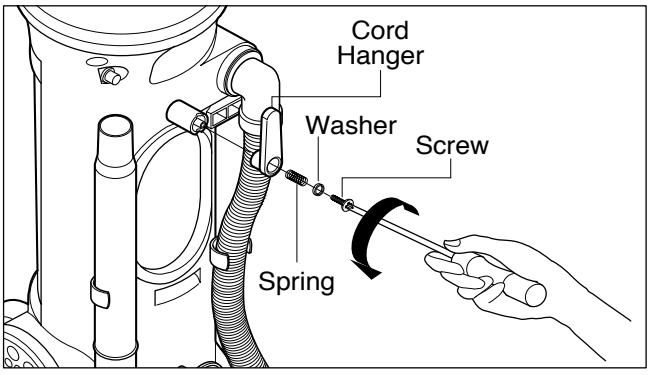
Step 1: Disassembling handle and cord hanger.

Remove screw and pull out the handle.

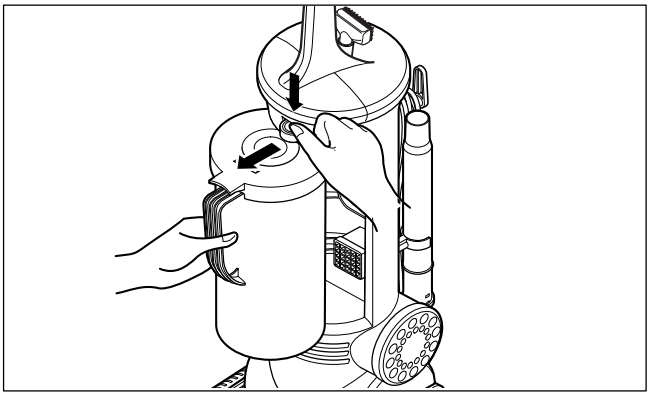




Remove screw and disassemble cord hanger, spring and washer.



Step 2: Disassembling Dust tank



Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

DISASSEMBLY

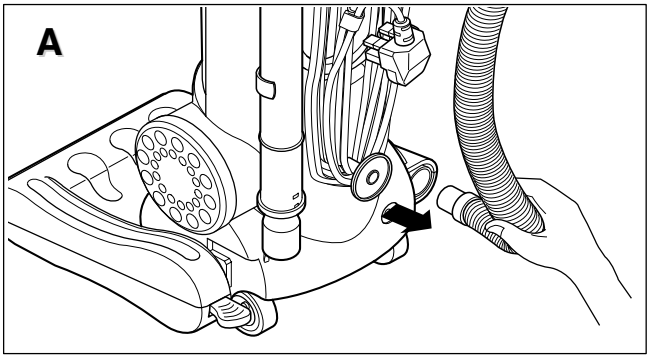
WARNING

Electrical Shock or Personal Injury Hazard

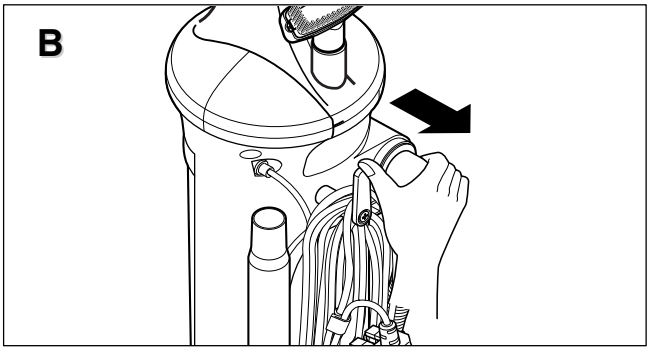
Disconnect electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting.

Step 3: Disassembling hose

Remove the lower end of stretch hose from the cleaner.



Pull the hose strongly to remove.



Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

DISASSEMBLY

WARNING

Electrical Shock or Personal Injury Hazard

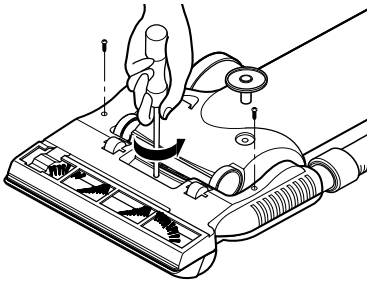
Disconnect electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting.

Step 4: Disassembling head of the cleaner(agitator, belt, pedal assembly, etc.)

Turn the cleaner over to exposure the underside.

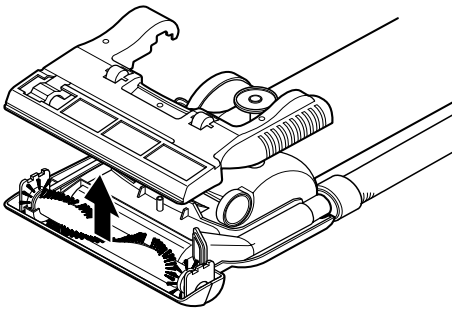
To remove the bottom plate, unscrew(optional) and slide latch off as shown in the figure.

A



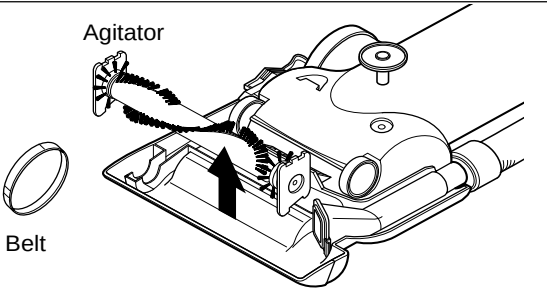
Pushing the locking tabs toward the center of the vacuum, pull the bottom plate away from the nozzle housing.

B



Remove the belt from motor shaft, then grasp the ends of agitator and lift it slowly.

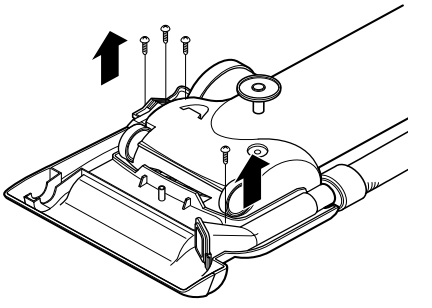
C



Unscrew and remove the pedal assembly.

Pull the left side of the head cover off the body, then remove right side of the head cover.

D



Push the right edge of connector pipe to turn and set the position to remove.

Side connector pipe of the head cover.

Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

DISASSEMBLY

WARNING

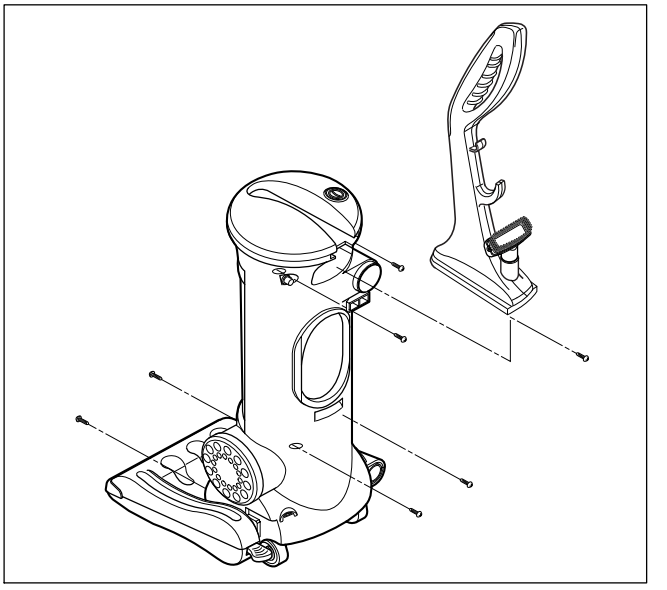
Electrical Shock or Personal Injury Hazard

Disconnect electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting.

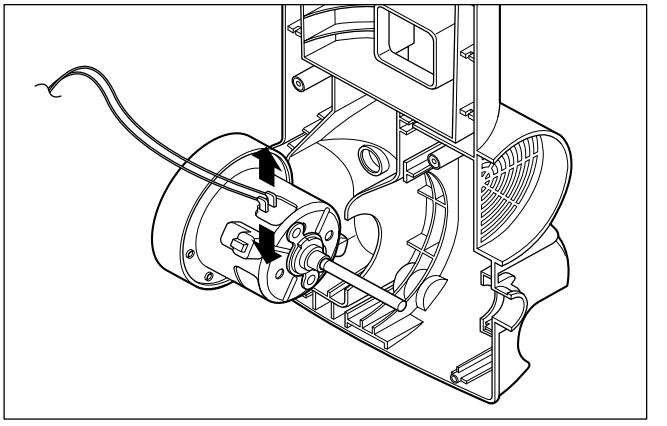
Step 5: Disassembling body of the cleaner(motor, switch, etc.)

Disassemble head (Refer to Step 4).

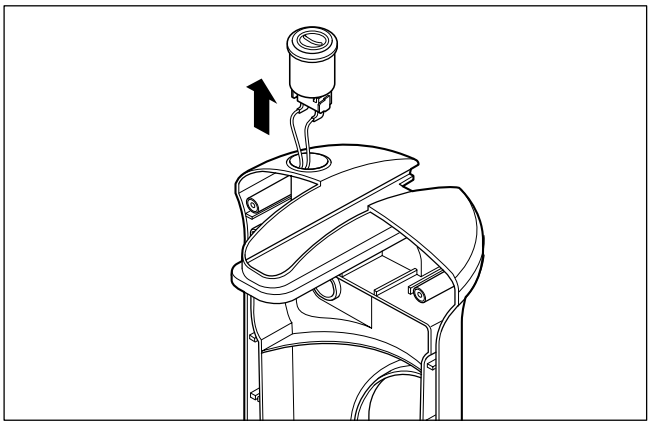
Unscrew and remove the body cover from the body base.



Disconnect wires and remove motor.

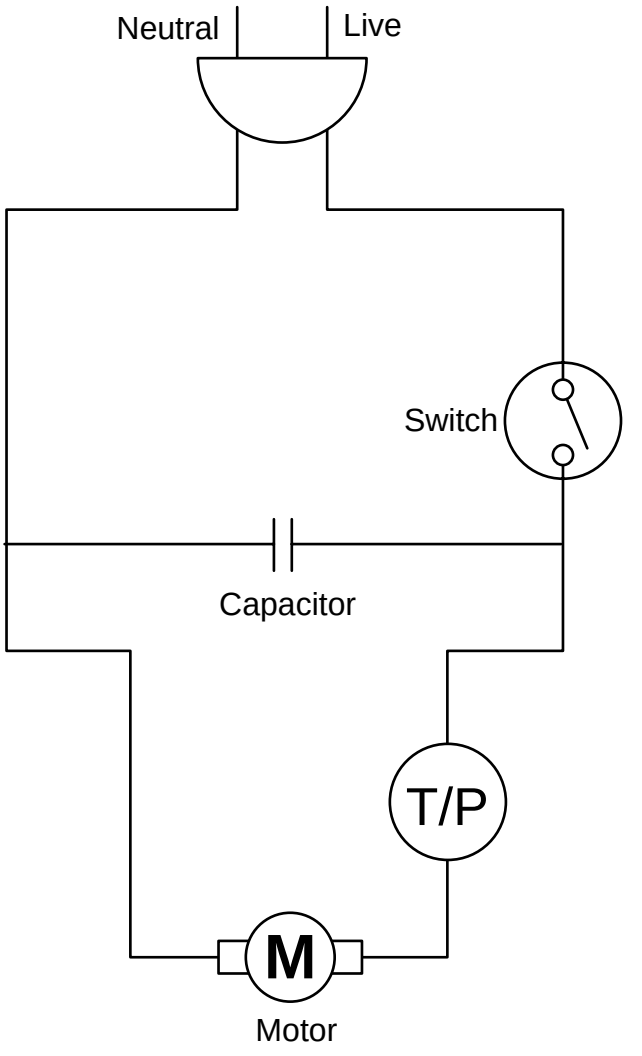


Disconnect wires and disassemble switch, and power cord.



Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

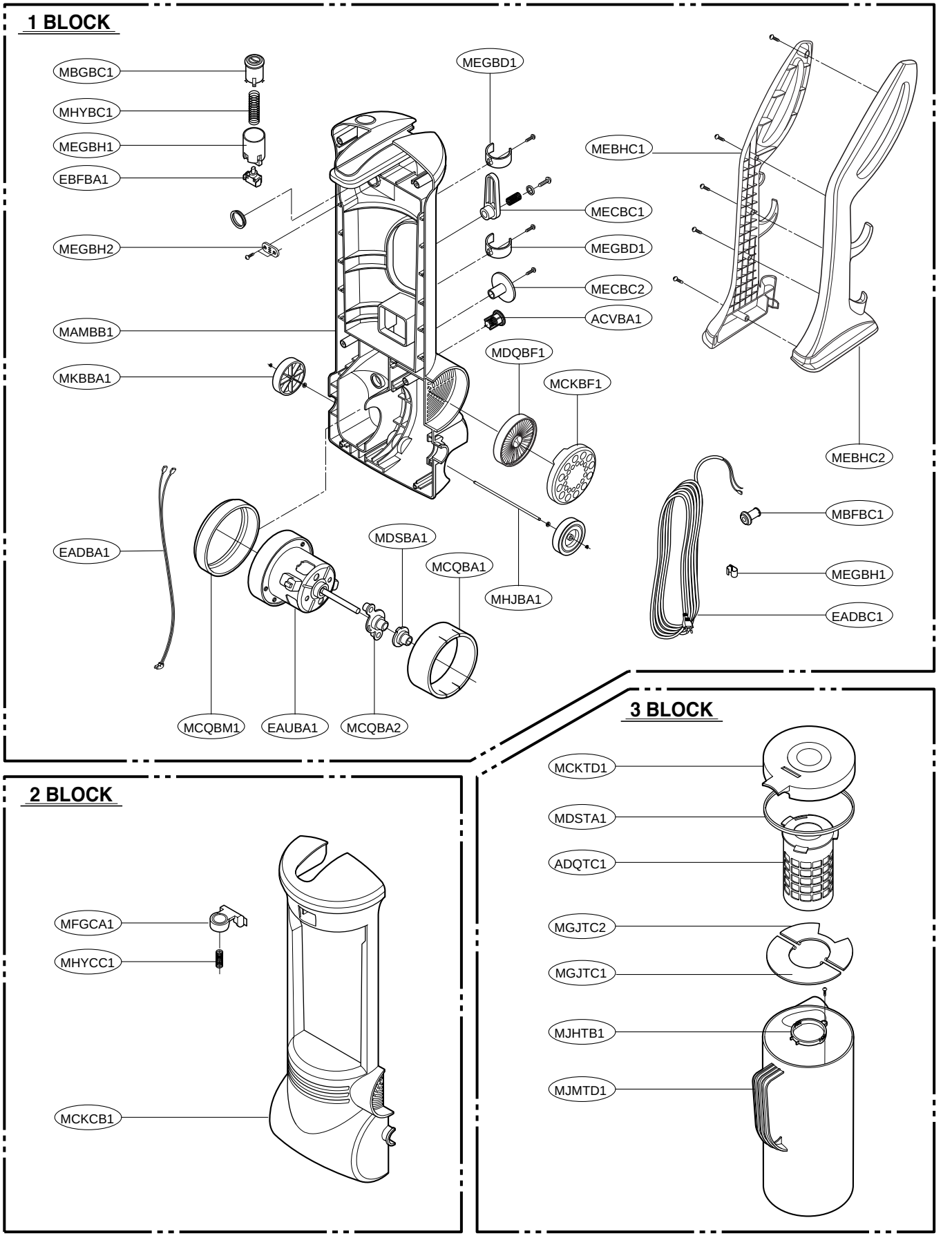
SCHEMATIC DIAGRAM



Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

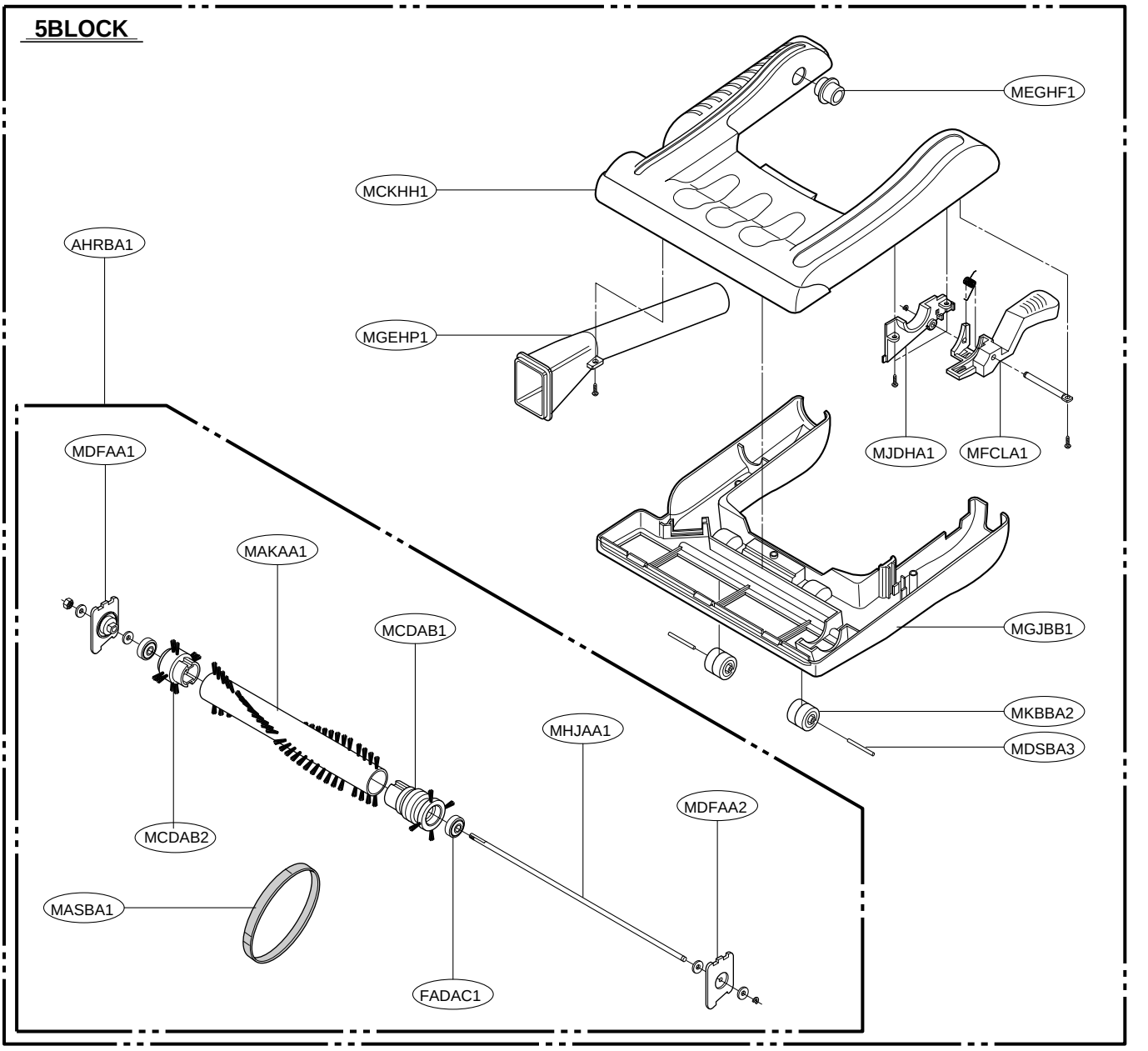
LGE Internal Use Only

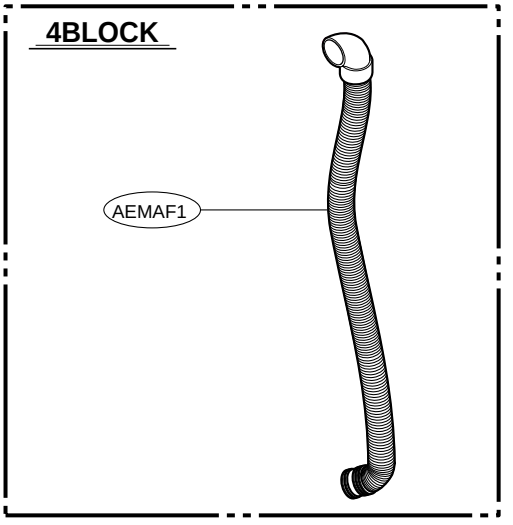
EXPLODED VIEW

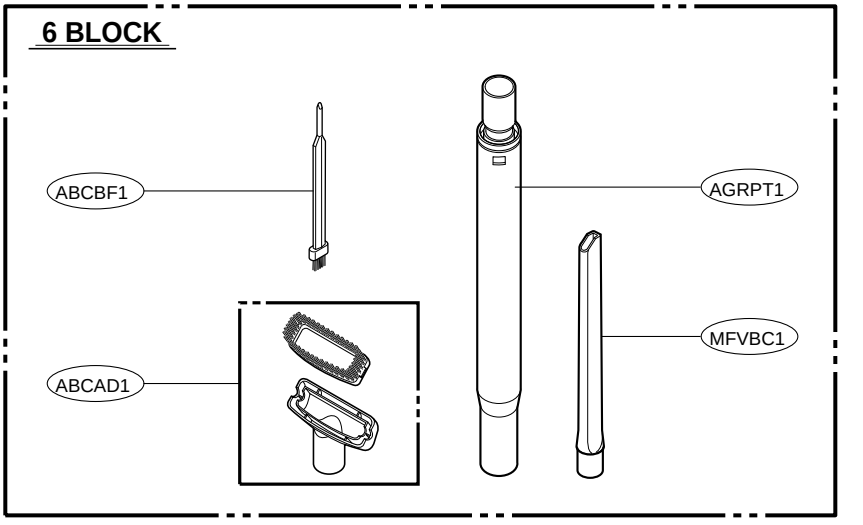


Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

EXPLODED VIEW







Copyright © 2007 LG Electronics. Inc. All right reserved.
Only for training and service purposes

LGE Internal Use Only

P/NO : 3828FI5874D